## APPLICATION FOR UNITED STATES PATENT **Declaration for Patent Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on

(check at le		which		2 (file no			,		
(check at least one)		3 [ ] is attached hereto 4 [ x ] was filed on <u>June 15, 2005</u> as (5) U.S. Application Serial No							
		ој јан	6 [ ] and was amended(if applicable)						
	7[x]	was filed as PCT	international application				<u> </u>		
Use this	8	Number PCT/JP2003/016530							
portion only if you	9	on 24/December/2003							
are entering the U.S. National		and was amended	and was amended under PCT Article(s) 19 and/or 34 on (if applicable).						
phase based	10	on							
on a PCT International Application	11	priority date claim	ned in PCT International	Application					
designating the U.S.		JAPAN	2002-372792		24/December/	2002			
,20 0.0.		(Country)	(Number)	(Day/Month/Year Filed)		ear Filed)			
		(Country)	(Number)	<del></del>	(Day/Month/Year Filed)				
		(Country)	(Number)	Number)		(Day/Month/Year Filed)			
<del></del>									
amendment r I acknowle bility in accor I hereby cla ate listed belo	eferred to dge the ordence we wim fore ow and h	duty to disclose to the with Title 37, Code of ign priority benefits u ave also identified be	e United States Patent an Federal Regulations, §1 Inder Title 35, United St Flow any foreign applica	nd Trademark .56. ates Code, §1 tion(s) for pat	Office all inform  19 of any foreign  ent or inventor's	nation known to application (s) certificate or an	me which is r	nateria inventationa	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of the	eferred to dge the ordance waim fore ow and hatting at the applic	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priority on which priority on the state of t	e United States Patent and Federal Regulations, §1 Inder Title 35, United States Flow any foreign applicate Flow than the United States Flow is claimed.	nd Trademark .56. ates Code, §1 tion(s) for pat s of America f	Office all inform 19 of any foreign ent or inventor's iled by me on th	nation known to n application (s) certificate or an e same subject n	me which is r for patent or in y PCT internations matter having	materia invent ationa a filin	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of the	eferred to dge the ordance waim fore ow and hatting at the applic	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priority on which priority on the state of t	e United States Patent an Federal Regulations, §1 Inder Title 35, United States Flow any foreign applicates Flow the United States	nd Trademark .56. ates Code, §1 tion(s) for pat s of America f	Office all inform 19 of any foreign ent or inventor's iled by me on th	nation known to n application (s) certificate or an e same subject n	me which is r for patent or in y PCT internations matter having	materia invent ationa a filin	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of th	eferred to dge the condense waim fore ow and hading at the application App	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priority any Priority and Prior	e United States Patent and Federal Regulations, §1 under Title 35, United States and any foreign applicate than the United States ority is claimed.	ad Trademark .56. ates Code, §1 tion(s) for pats of America f	Office all inform  19 of any foreignent or inventor's iled by me on th	nation known to n application (s) certificate or an e same subject n	me which is refer patent or any PCT internater having  Priority C	nateria invent ationa a filin Claime	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of the	eferred to dge the condense waim fore ow and hading at the application App	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priority on which priority on the state of t	e United States Patent and Federal Regulations, §1 under Title 35, United States and any foreign applicate than the United States ority is claimed.	ad Trademark .56. ates Code, §1 tion(s) for pats of America f	Office all inform 19 of any foreign ent or inventor's iled by me on th	nation known to n application (s) certificate or an e same subject n	me which is refer patent or any PCT internater having  Priority C  [ ]  Yes	nateriational a filin	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of th	eferred to dge the order of the condition of the conditio	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priority any Priority and Prior	e United States Patent and Federal Regulations, §1 under Title 35, United States and any foreign applicate than the United States ority is claimed.  Sty Claims Under 35 U.S. aber)	d Trademark .56. ates Code, §1 tion(s) for pat s of America f s.C. 119	Office all inform  19 of any foreignent or inventor's iled by me on th	nation known to n application (s) certificate or an e same subject n	me which is refer patent or any PCT internater having  Priority C	nateria invent ationa a filin Claime	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of th  Prior (Fore (Cou Priority Cla	eferred to dge the conductive waim fore to wand heating at the application of the properties of the pr	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priorication(s) any Priorication(s) (Num	e United States Patent and Federal Regulations, § 1 under Title 35, United States are than the United States ority is claimed.  Sty Claims Under 35 U.States (States)  Sty Claims Under 35 U.States (States)  Sty Claims Under 35 U.States (States)	d Trademark .56. ates Code, §1 tion(s) for pat s of America f c.C. 119  (Day/Mo	Office all inform 19 of any foreign ent or inventor's filed by me on th onth/Year Filed)	nation known to n application (s) certificate or an e same subject n	me which is reference or any PCT internated having  Priority C  [ ]  Yes  [ ]  Yes	nateria invent ationa a filin Claime [ N [ N	
amendment r I acknowle bility in accor I hereby cla ate listed belo tion(s) design than that of th  Prior (Fore a  (Cou Priority Cla States provis	eferred to dge the conductive wand hatting at the application of the conductive application of the applicati	o above. duty to disclose to the vith Title 37, Code of ign priority benefits u ave also identified be least one country oth ation(s) on which priorication(s) any Priorication(s) (Numon U.S. Provisional	e United States Patent and Federal Regulations, §1 under Title 35, United States are than the United States ority is claimed.  Sty Claims Under 35 U.S.  Suber)  Application(s) – I hereby ow:	d Trademark .56. ates Code, §1 tion(s) for pat s of America f c.C. 119  (Day/Mo	Office all inform 19 of any foreign ent or inventor's filed by me on th onth/Year Filed) onth/Year Filed) mefit under Title	nation known to n application (s) certificate or an e same subject n	me which is reference or any PCT internater having  Priority C  [ ]  Yes  [ ]  Yes  [ ]  Yes  [ ]	nateria invent ationa a filin Claime [ N [ N	
amendment r I acknowle bility in accor I hereby cla ate listed belo ation(s) design than that of th  Prior (Fore a  (Cou  Priority Cla States provis	ntry)  aim(s) frional applications of the control o	o above. duty to disclose to the vith Title 37, Code of ign priority benefits us ave also identified be least one country oth ation(s) on which priorication(s) any Priorication(s) any Priorication(s) any Priorication(s) listed below Day/Month/  I hereby claim of international application of international application of the United States Pate ined in Title 37, Code in the United States Pate ined in Title 37, Code	e United States Patent and Federal Regulations, §1 under Title 35, United States are than the United States ority is claimed.  Sty Claims Under 35 U.S.  Suber)  Application(s) – I hereby ow:	d Trademark .56. ates Code, §1 tion(s) for pat s of America f  6.C. 119  (Day/Mo y claim the be  Application  5, United State United States polication is no 5, United State all informati s §1.56 which	Office all inform 19 of any foreignent or inventor's filed by me on th onth/Year Filed) onth/Year Filed) onth/Year Filed) No.  es Code, 120 of of America that of disclosed in the tes Code §112, I on known to me became available	application (s) certificate or an e same subject n  35, United State  Day/Month/  any United State is/are listed belo at/those prior ap acknowledge the to be material to e between filing	re which is reference or patent or any PCT international priority Control of the patent of the paten	nateria invent ationa a filin Claime  [  N  (e) of  (s) or ur as the lose as	

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO

STEVENS, DAVIS, MILLER & MOSHER, L.L.P., 1615 L Street, N.W., Suite 850, Washington, D.C. 20036, TELEPHONE (202) 408-5100, FACSIMILÉ (202) 408-5200.

See page 2 for signature lines

## INSTRUCTIONS FOR COMPLETION OF THIS FORM

- line'1 Insert the same title as is used on the specification and in the assignment.
- line 2 Is optional but is provided so that you can use it to identify more readily an application prior to the time that the Patent Office application serial number is assigned, we suggest that the specification, drawings and declaration always bear a file number since it can help to get the papers together in case they become inadvertently separated. In instances where the specification is filed without a signed declaration form (under 37 CFR §1.53) a file number on a later-received separate form will assist us in associating it with the correct case.
- line 3 Check this box if the specification, claims and drawing (if any) are attached to this declaration form, e.g., when filing a new patent application.
- lines 4-5 Are only used in an instance where the application is already on file and the declaration from is being separately filed, e.g., when the application was originally filed without a signed declaration or where the Patent Office has required a new declaration because of a deficiency in the original declaration. In such an instance the Patent Office will require that lines 4 and 5 be completed with the filing date and application serial number already assigned.
- line 6 Is used in conjunction with line 5 but only when there have been one or more amendments to the specification or claims. Line 6 is also used when the Examiner requires a new declaration because claims inserted by amendment cover subject matter not originally claimed (37 CFR §1.67).
- lines 7-11 Are for PCT (Patent Cooperation Treaty) cases and are used only when you are entering the U.S. National phase (Chapter I or II) based upon a previously filed PCT International application designating the U.S.
- line 7 Check this box if this is a PCT National Phase application.
- line 8 Insert PCT International application number.
- line 9 Insert date of filing of PCT International application.
- lines 10-11 Insert the date of all amendments filed in the PCT International application. Such amendments are optional, so this line at times will not be used.
- line 12a Is used in the following instances:
  - (i) If a single priority is being claimed from a foreign application you need to list only the first-filed application; you do not need to list other countries if all applications were filed within one year of the U.S. filing.
  - (ii) If multiple priorities are being claimed, from a plurality of applications filed in one or more countries, you must list the first filed application for each aspect of the invention. Example: if aspect A of the invention was disclosed in an application filed 11 months earlier in country X and aspect B was disclosed 9 months earlier in an application filed in country Y, then the applications in both countries X and Y must be identified. Only the first application for each aspect of the invention needs to be identified provided all applications on that aspect were filed within one year prior to the U.S. filing.
  - (iii) If a <u>non-priority</u> application is being filed you must list <u>all</u> applications in all countries where corresponding foreign applications were filed <u>more than one</u> <u>year</u> prior to the U.S. filing. This is so the Examiner can check to see if any of those applications were published or patented early enough to be prior art against the U.S. application.
  - (iv) If there are more than two applications to be listed we suggest that you type in on this form only "See attached Schedule A" and then list all of the previous applications on an attached sheet.
- line 12b Is used to claim priority under 35 USC §119(e) based on a provisional application filed within one year of the filing of the instant application. More than one provisional application may be identified provided neither was filed more than one year earlier.
- line 13 This block is used only in instances where there is a previously filed <u>U.S.</u> non-provisional application which was copending at the time the present application was (or is being) filed. that previous application could be a U.S. non-provisional application or the National Phase of a PCT allocation. In such a case the present application may be entitled to the priority of the previous application's U.S. filing date (and consequently the foreign priority thereof) provided the present application is identified as a continuing application (continuation, divisional or continuation-in-part) of the earlier (parent) application. If the foregoing is applicable, please fill in one line for each such prior application.
- line 14 Type the inventor's proper legal name in the order specified, e.g., "John B. JONES" or "J. Bob JONES" if the inventor so prefers. It is <u>not</u> acceptable to use only initials such as "J. B. JONES."
- line 15 The inventor's "signature" may be his (or her) usual manner of signing but it is preferable that the inventor simply write his (or her) name in his (or her) own cursive handwriting in the same order as on line 14, e.g., given name, middle initial and Family name.
- line 16 Insert the actual date of signature.
- line 17 Insert simply the city and state or country, e.g., "Paris, France", of the inventor's <u>residence</u>, not citizenship. No street address or postal code is required on this line.
- line 18 Insert the inventor's citizenship. The statement of citizenship (or subject of) is a statutory requirement (35 USC §115). Simply the name of the country of citizenship, e.g., "Japan" is sufficient.
- line 19 Insert the inventor's mailing address. The purpose of requiring the post office address is to enable the Patent Office to communicate directly with the inventor if desired, such as in the case of death of the U.S. attorney. It should be the address where the inventor customarily receives his (or her) mail and should include the postal code. If applicable it can be the inventor's business address or address at place of employment.

Applicants are reminded that the U.S. Patent and Trademark Office has very strict requirements as to proper execution of an application. The applicant should make sure that he reviews the declaration, prior to signing to make sure the declaration properly identifies the application and all relevant information; and should review the specification and claims (including drawings, if any) before signing the declaration. Failure to do so will require the filing of a supplemental declaration --- 37 CFR §1.67(c).

Any handwritten changes to the specification, claims or drawings must be in ink personally by all of the inventors prior to signing the declaration and the adjacent left margin must be initialed and dated by all of the inventors, e.g., "JBJ 6-9-91".

Please let us know if there are any questions regarding proper completion of this form. Thank you.

An assignment, a separate document requiring separate signature and dating may be enclosed. Please look for it and sign and date it in the same manner as in lines 15 and 16 above.

STEVENS, DAVIS, MILLER & MOSHER, L.L.P.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

## PAGE 2 OF U.S.A. DECLARATION FORM

14a	Typewritten Full Name							
	of Sole or First Inventor		Kazunori		INOGAI			
			Given Name	Middle Name	Family Name			
15a	Inventor's Signature	Karunori			Snogai			
16a	Date of Signature		June	21	2005			
	8		Month	Day	Year			
17a	Residence	Yokoha	ma-shi	Kanagawa	JAPAN			
		City		State or Province	Country			
18a	Citizenship	<u>JAPAN</u>						
19a	Post Office Address (Insert complete mailing address, including country)	1237-5-702, Mutsuura-cho, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0032 Japan						
	· r							
14b	Typewritten Full Name							
140	of Sole or First Inventor		Daichi		IMAMURA			
	of dole of 1 hat inventor	•	Given Name	Middle Name	Family Name			
			A) \ P.		1			
15b	Inventor's Signature		<u>Daichi</u>	·	lmamura			
16b	Date of Signature		June	21	2005			
	3		Month	Day	Year			
17b	Residence	Yokosu	ka-shi	Kanagawa	JAPAN			
		City		State or Province	Country			
18b	Citizenship	JAPAN						
19b	Post Office Address	3-21-20-	102, Tsukui, Yokosuk	a-shi, Kanagawa 239-0	843 Japan			
	(Insert complete mailing							
	address, including country)			<del></del>				
14c	Typewritten Full Name		Manager		HOCHNIO			
	of Sole or First Inventor	•	Masayuki Given Name	Middle Name	HOSHINO			
			Given Name	Middle Ivallie	Family Name			
15c	Inventor's Signature		Masayuki		Hoshino			
16c	Date of Signature		June	21	2005			
100			Month	Day	Year			
17c	Residence	Yokosu	ka-shi	Kanagawa	JAPAN			
		City		State or Province	Country			
18c	Citizenship	JAPAN						
19c	Post Office Address	2-5-4-D-1, Ikeda-cho, Yokosuka-shi, Kanagawa 239-0806 Japan						
	(Insert complete mailing							
	address, including country)							
14d	Typewritten Full Name							
	of Sole or First Inventor	٠.	Genichiro		OTA			
			Given Name	Middle Name	Family Name			
			/ . / .		i f			
15d	Inventor's Signature	CT.O.	Jenilun	·	<u> Ou</u>			
16d	Date of Signature	16/6/200	Harth June	<u>ا ا ا</u>	2005			
			Month	Day	Year 2005/6/21			
17d	Residence	Miura-s	<u>Shi</u>	Kanagawa	JAPAN			
•••	6	City		State or Province	Country			
18d	Citizenship	JAPAN						
19d	Post Office Address	54-30, K	natiro, Misaki-machi,	Miura-shi, Kanagawa				
	(Insert complete mailing	15-12)	Ögami-cho,	6.0. 21	238-0246 G.O.			